

FIG. 1

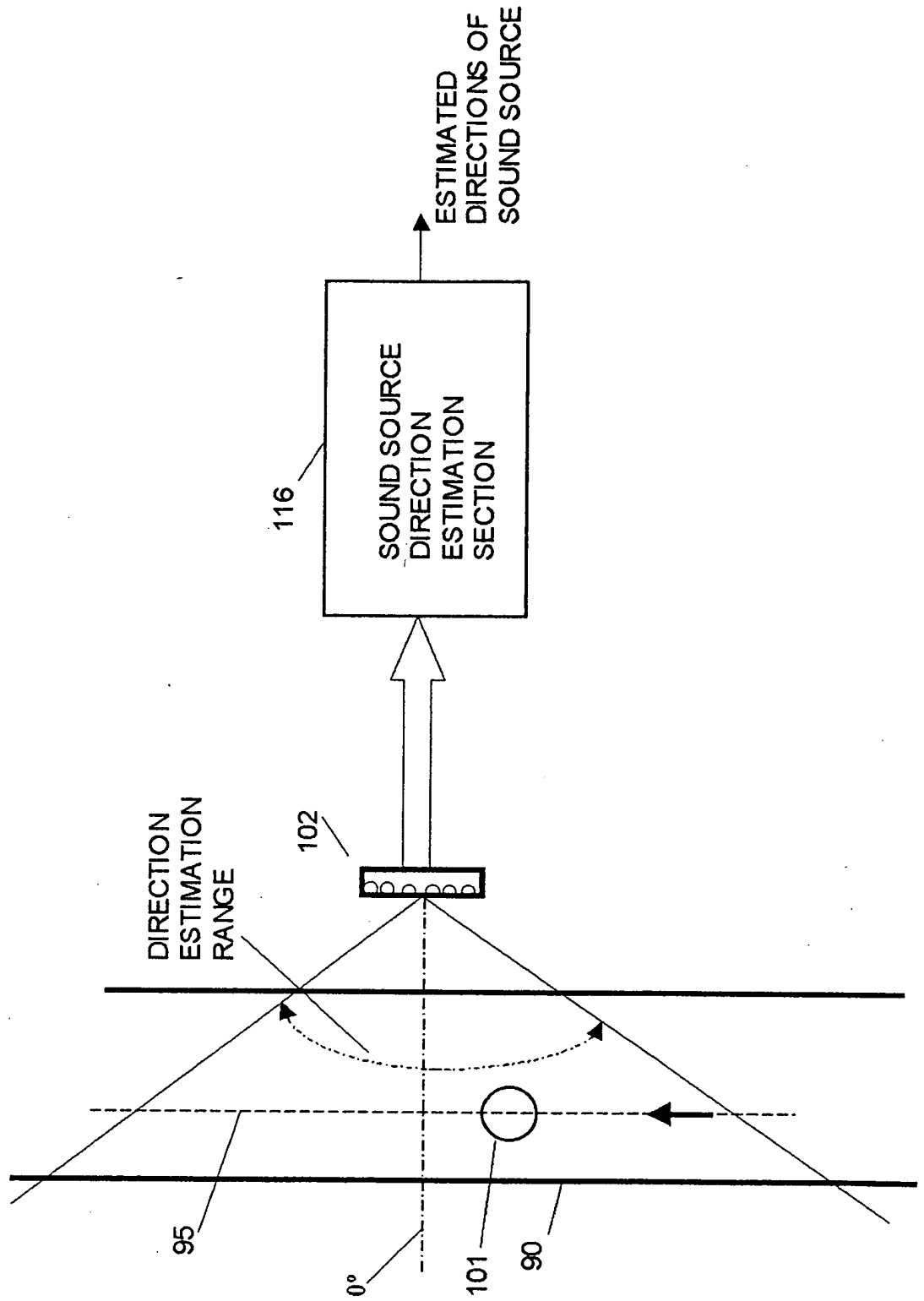


FIG. 2A

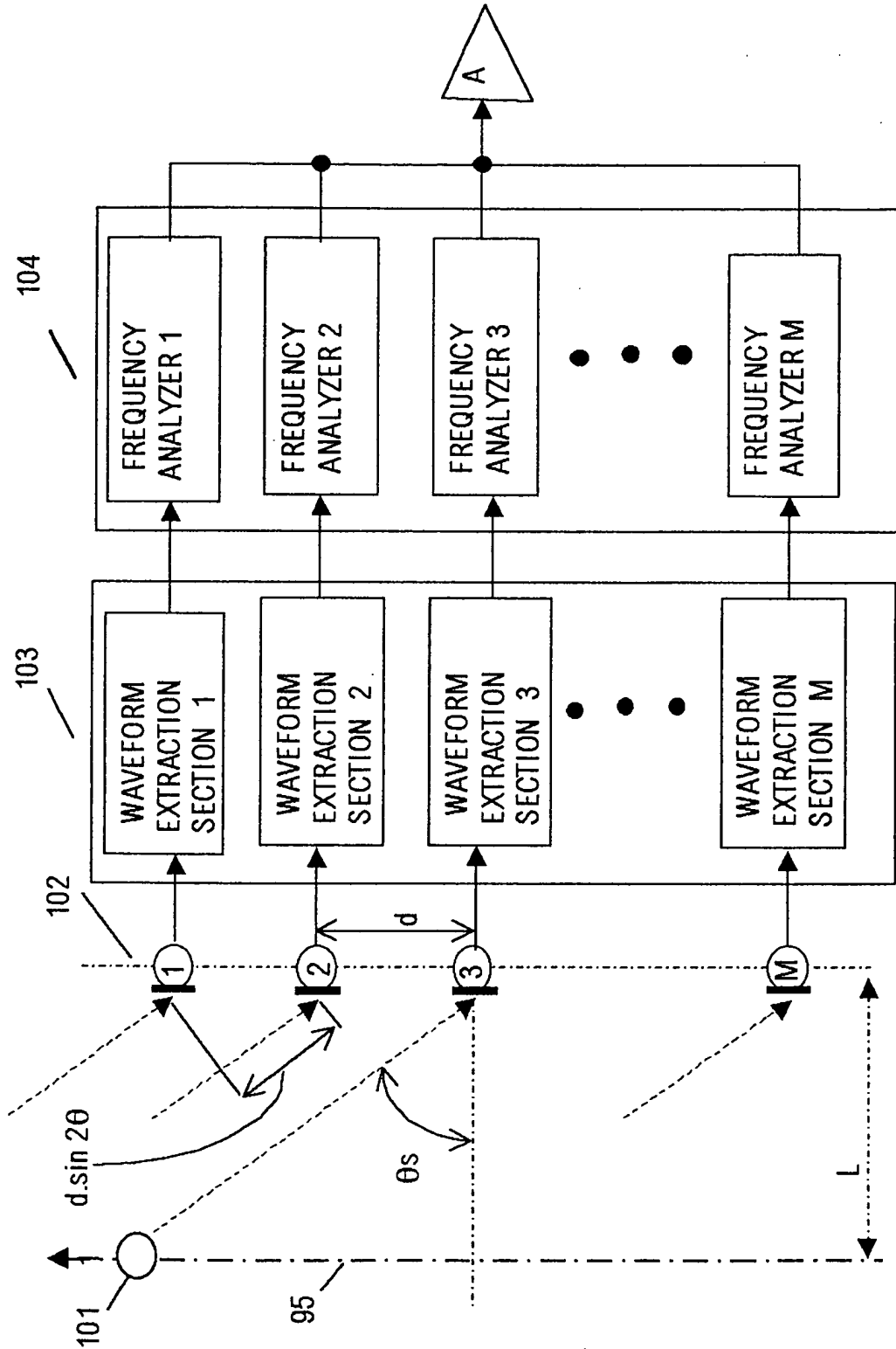


FIG. 2B

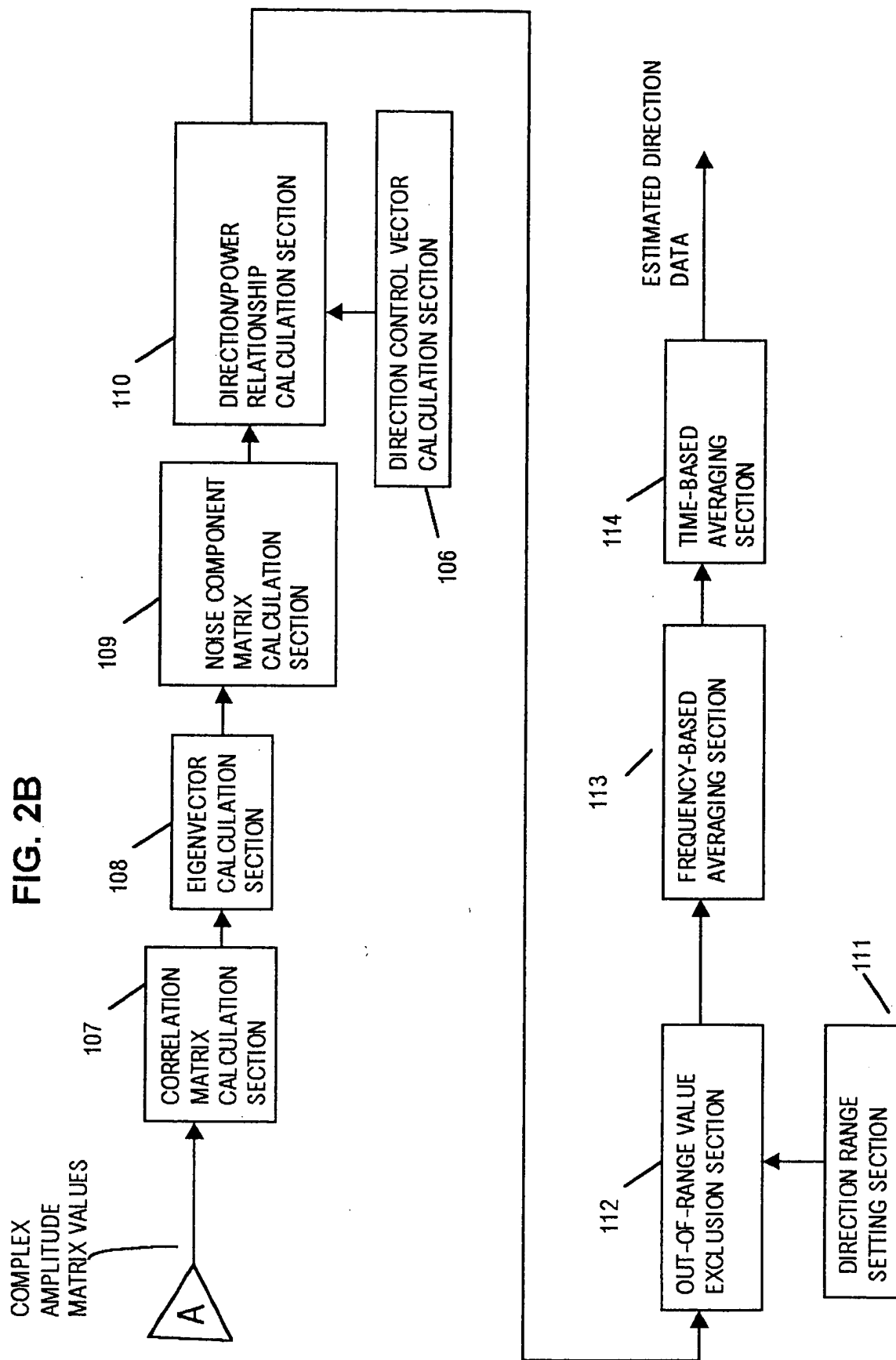


FIG. 3A

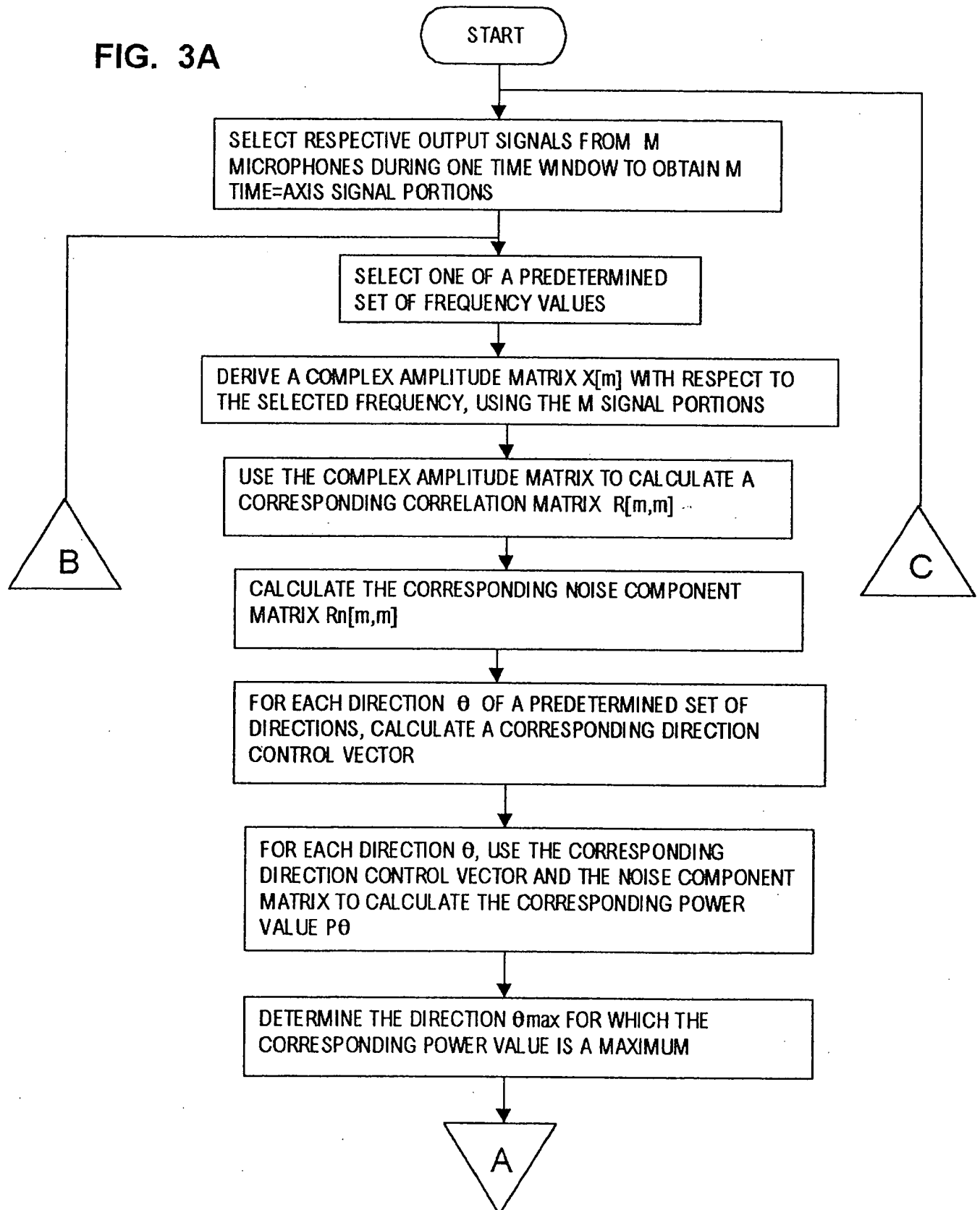


FIG. 3B

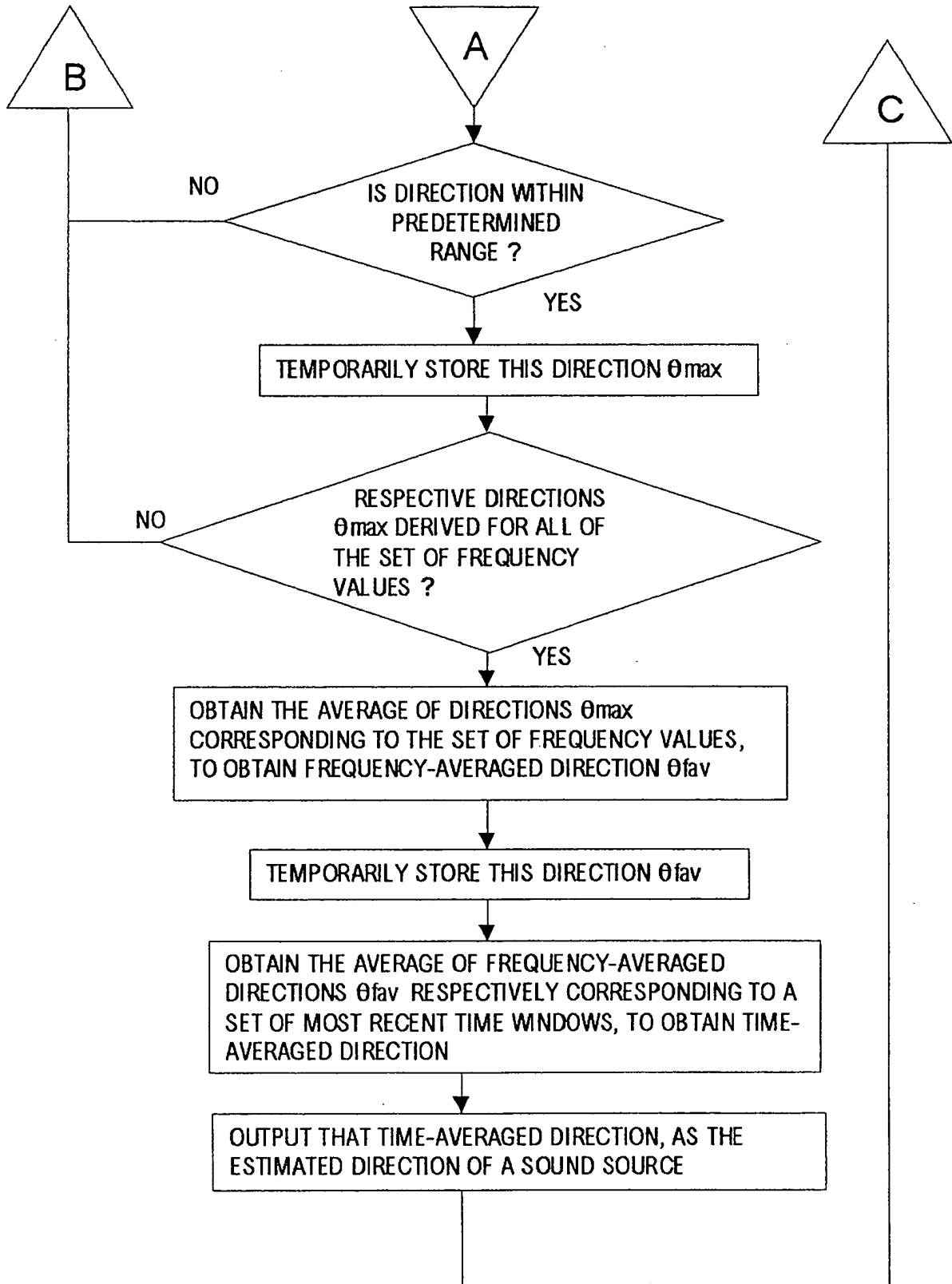


FIG. 4

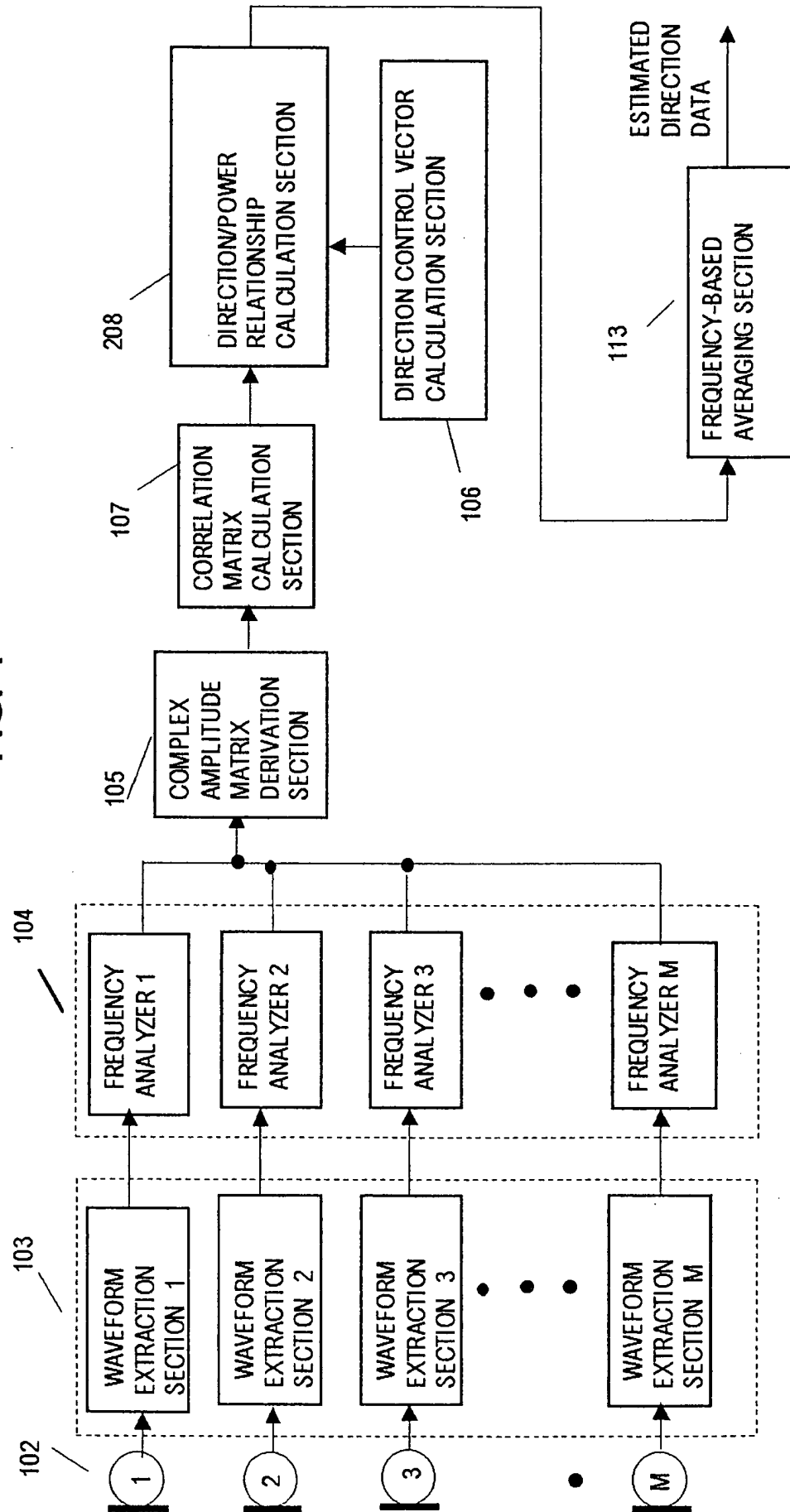


FIG. 5A

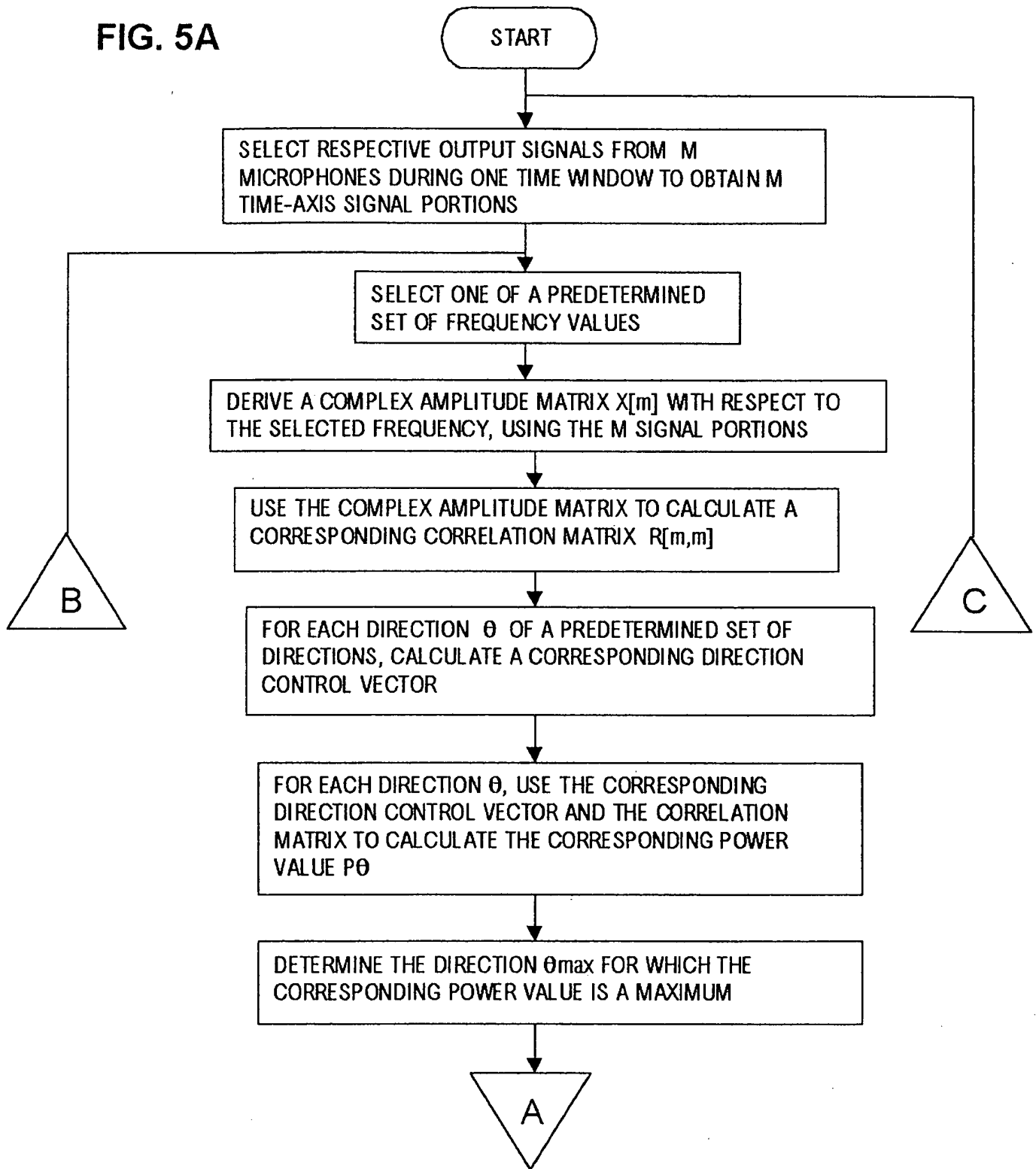


FIG. 5B

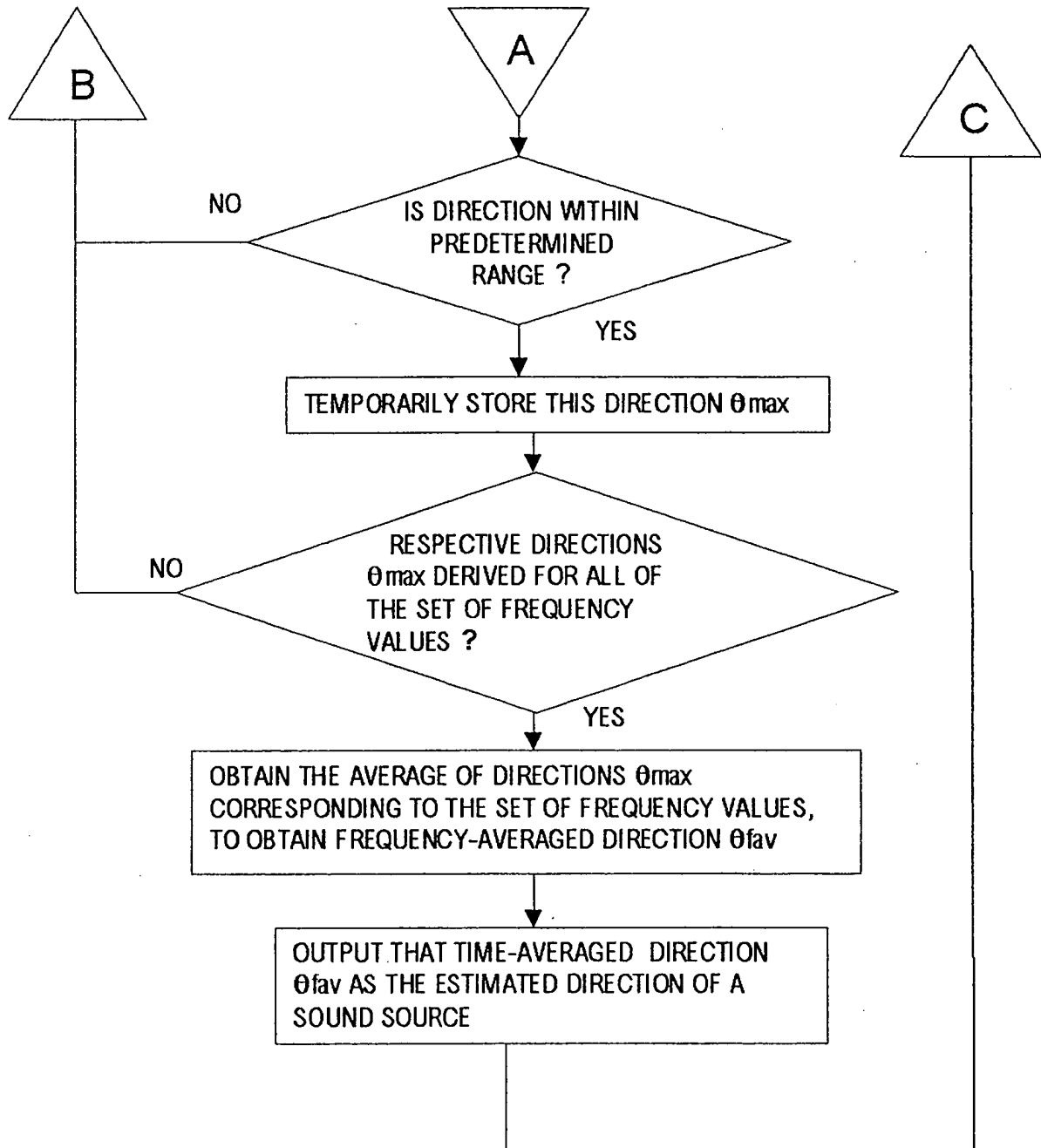


FIG. 6

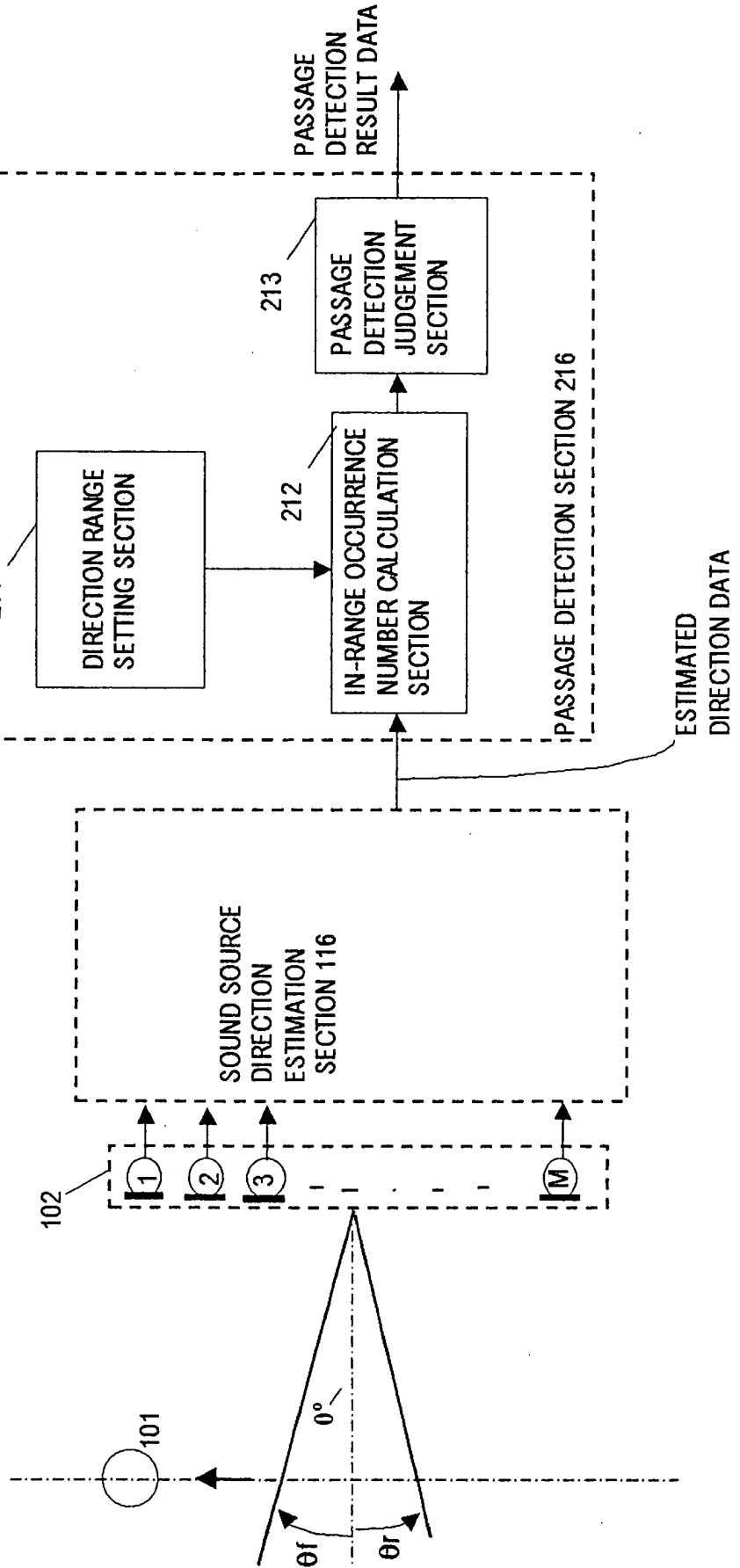
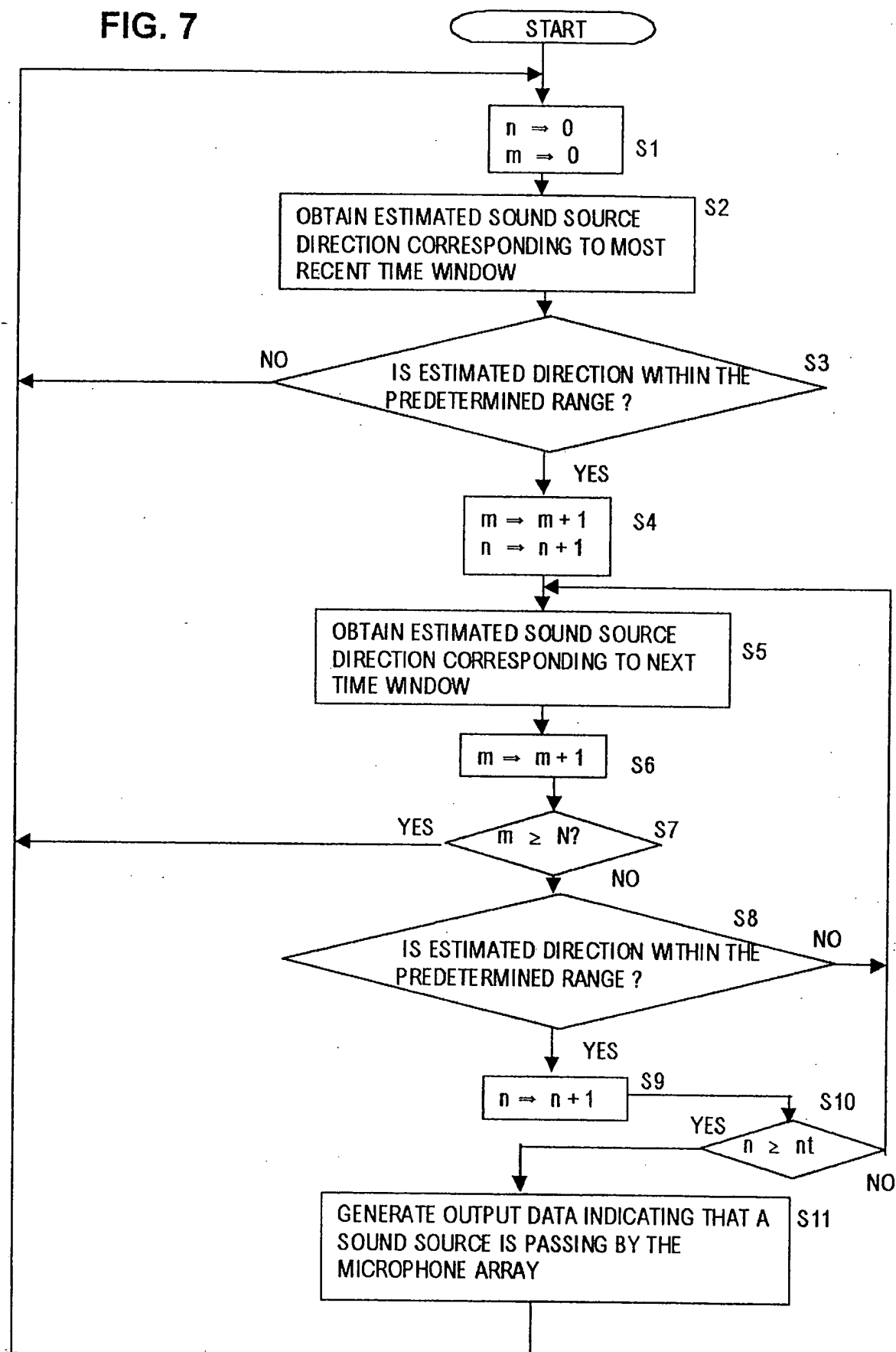


FIG. 7



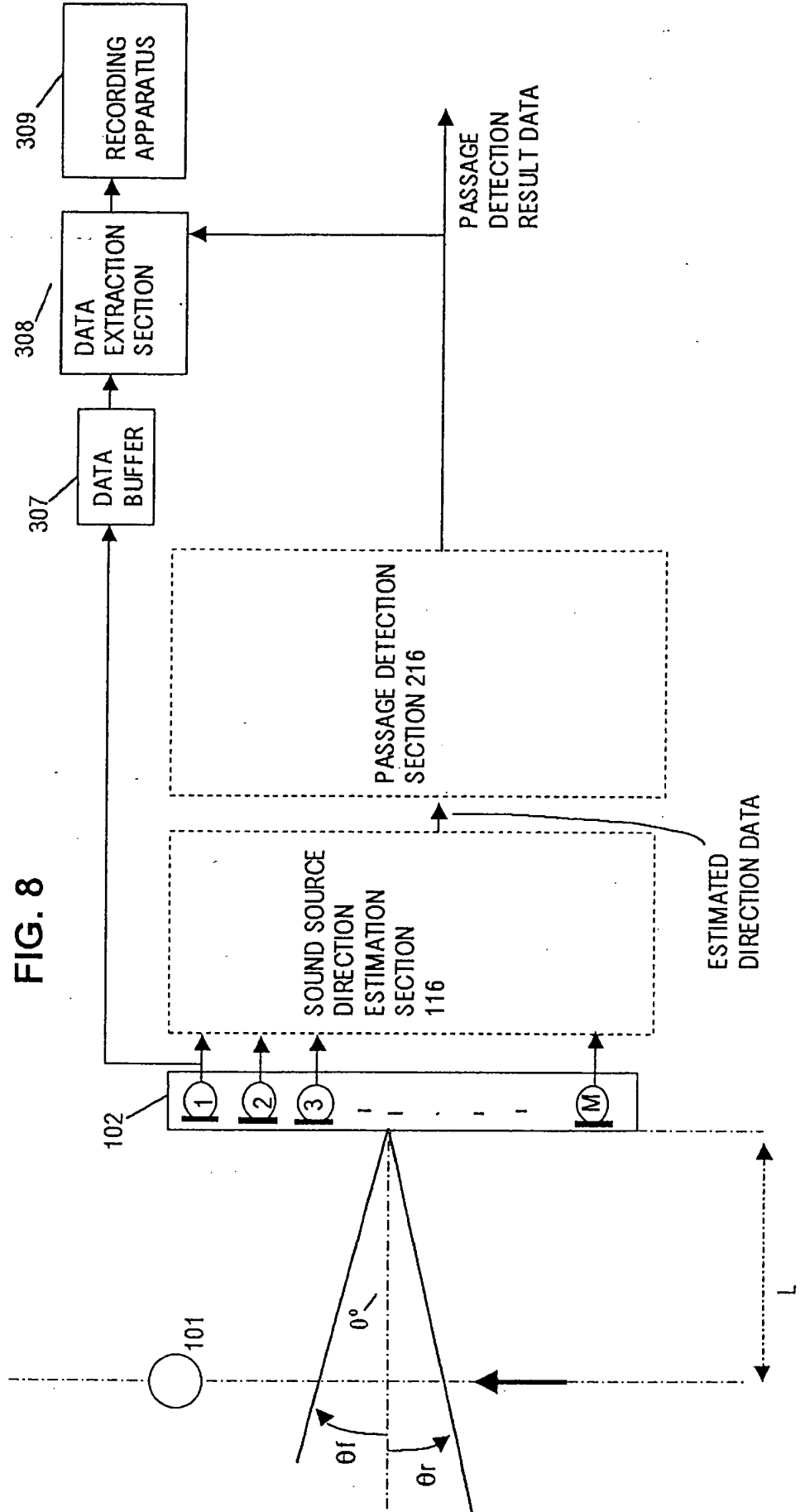
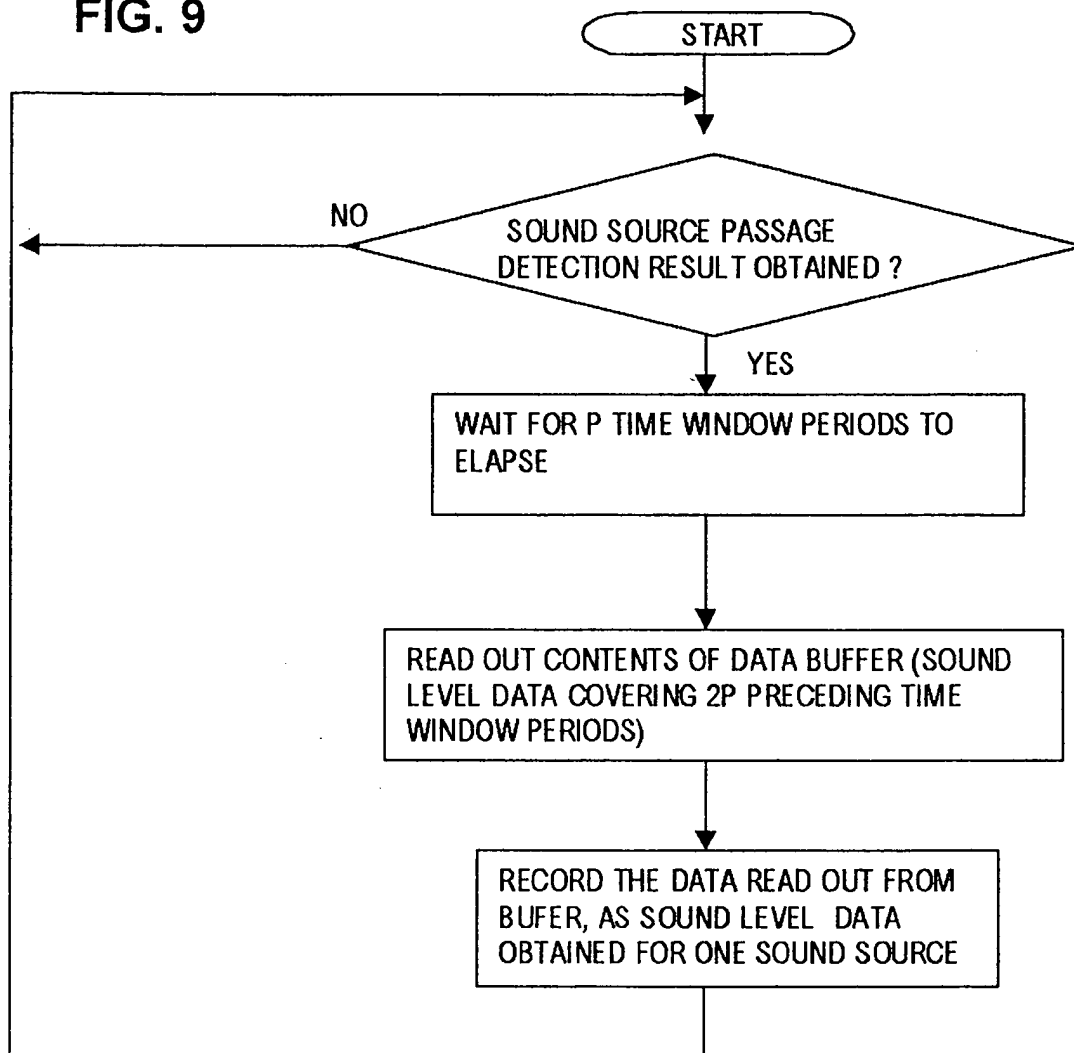
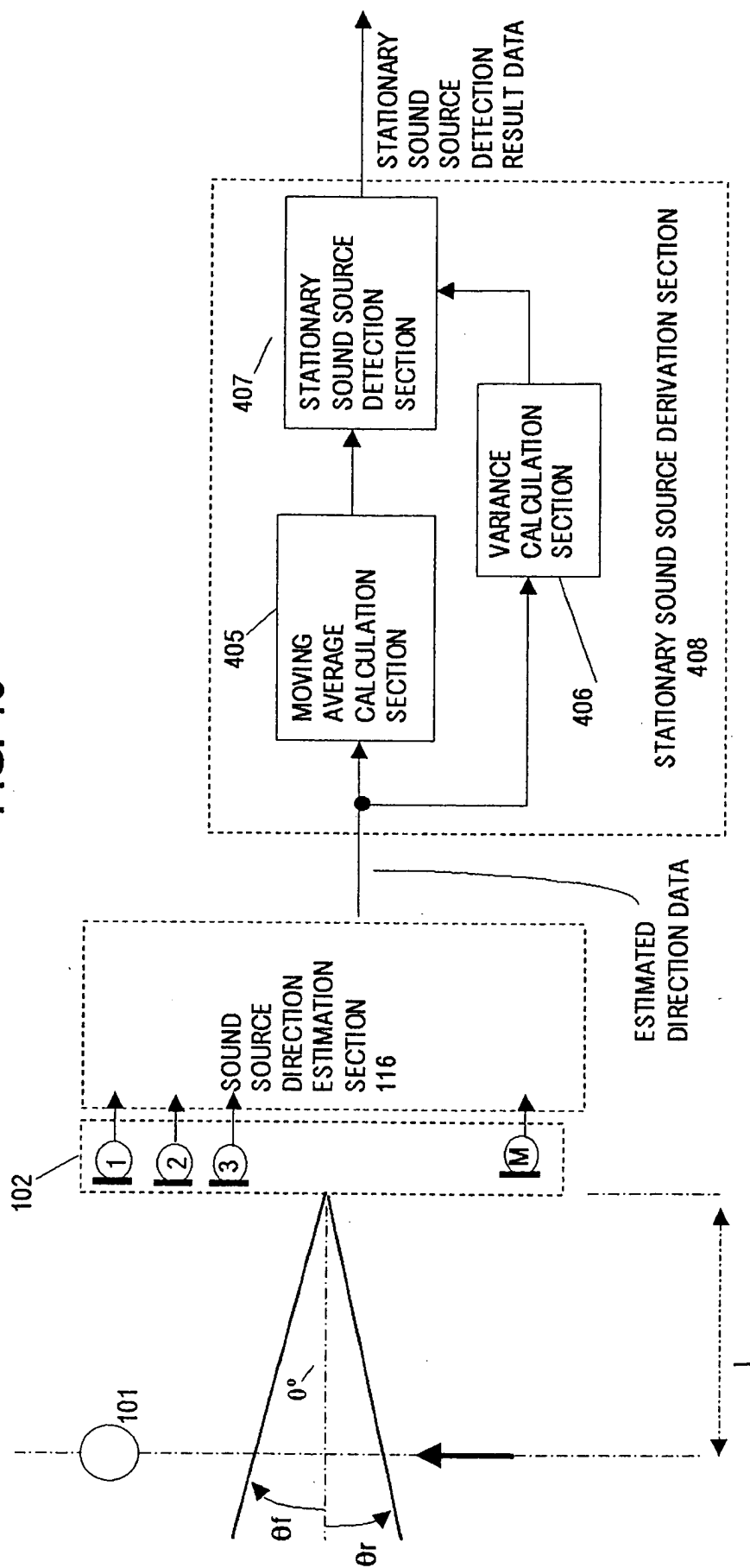


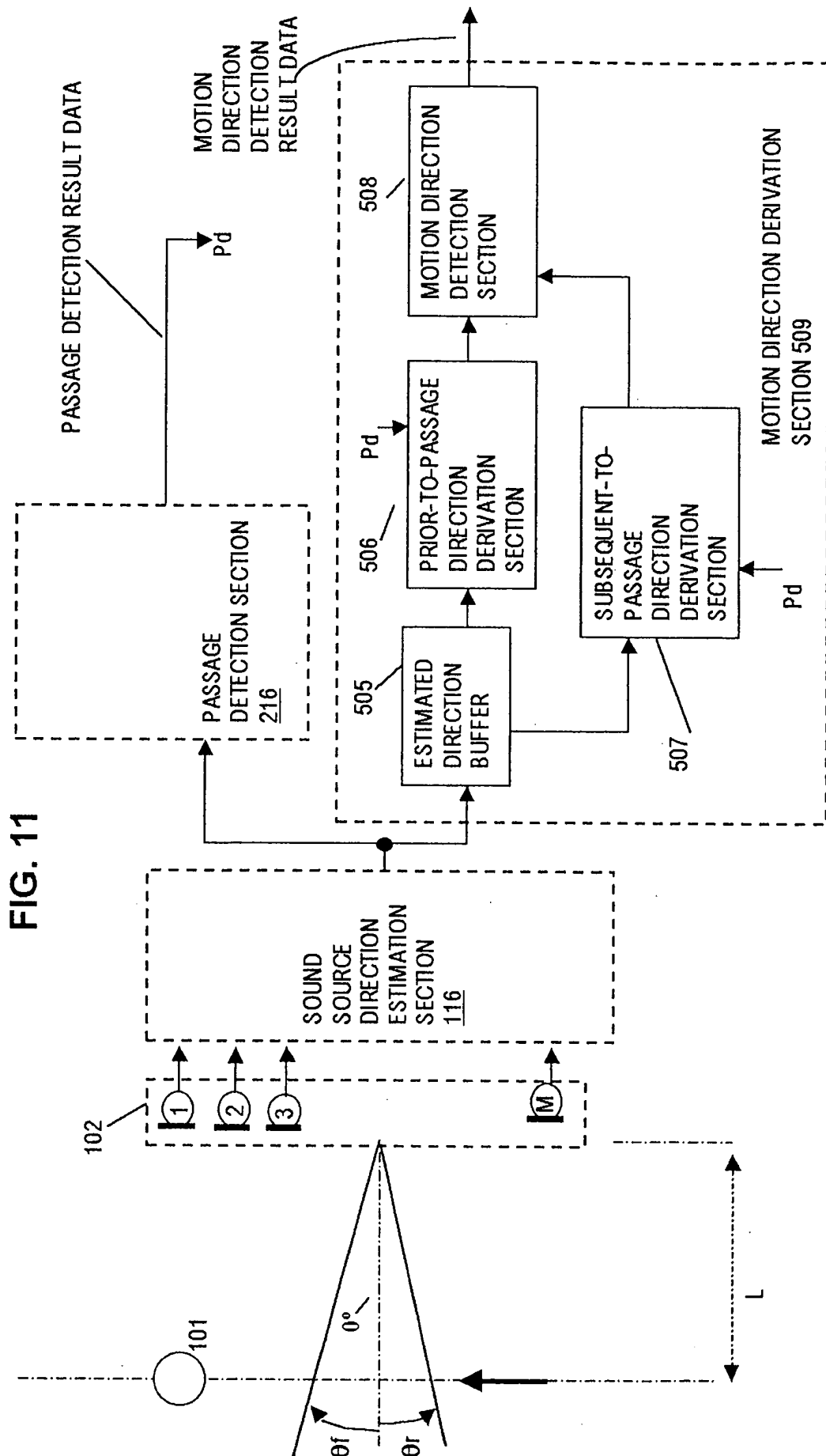
FIG. 9



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FIG. 10





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graph TD
    START([START]) --> DEC1{SOUND SOURCE PASSAGE  
DETECTION RESULT OBTAINED ?}
    DEC1 -- NO --> DEC1
    DEC1 -- YES --> P1[READ OUT FROM DATA BUFFER THE ESTIMATED  
DIRECTION  $\theta_{af}$  CORRESPONDING TO THE MOST RECENT  
TIME WINDOW AND THE ESTIMATED DIRECTION  $\theta_{bf}$   
CORRESPONDING TO A TIME WINDOW WHICH  
OCCURRED  $T_q$  TIME WINDOW PERIODS PREVIOUSLY]
    P1 --> P2[CALCULATE THE DIFFERENCE  $(\theta_{af} - \theta_{bf})$   
AND OBTAIN POLARITY OF THE RESULT,  
AS DATA INDICATING DIRECTION OF  
MOTION OF SOUND SOURCE]
    P2 --> P3[OUTPUT THE SOUND SOURCE MOTION  
DIRECTION DATA]
    P3 --> DEC1

```

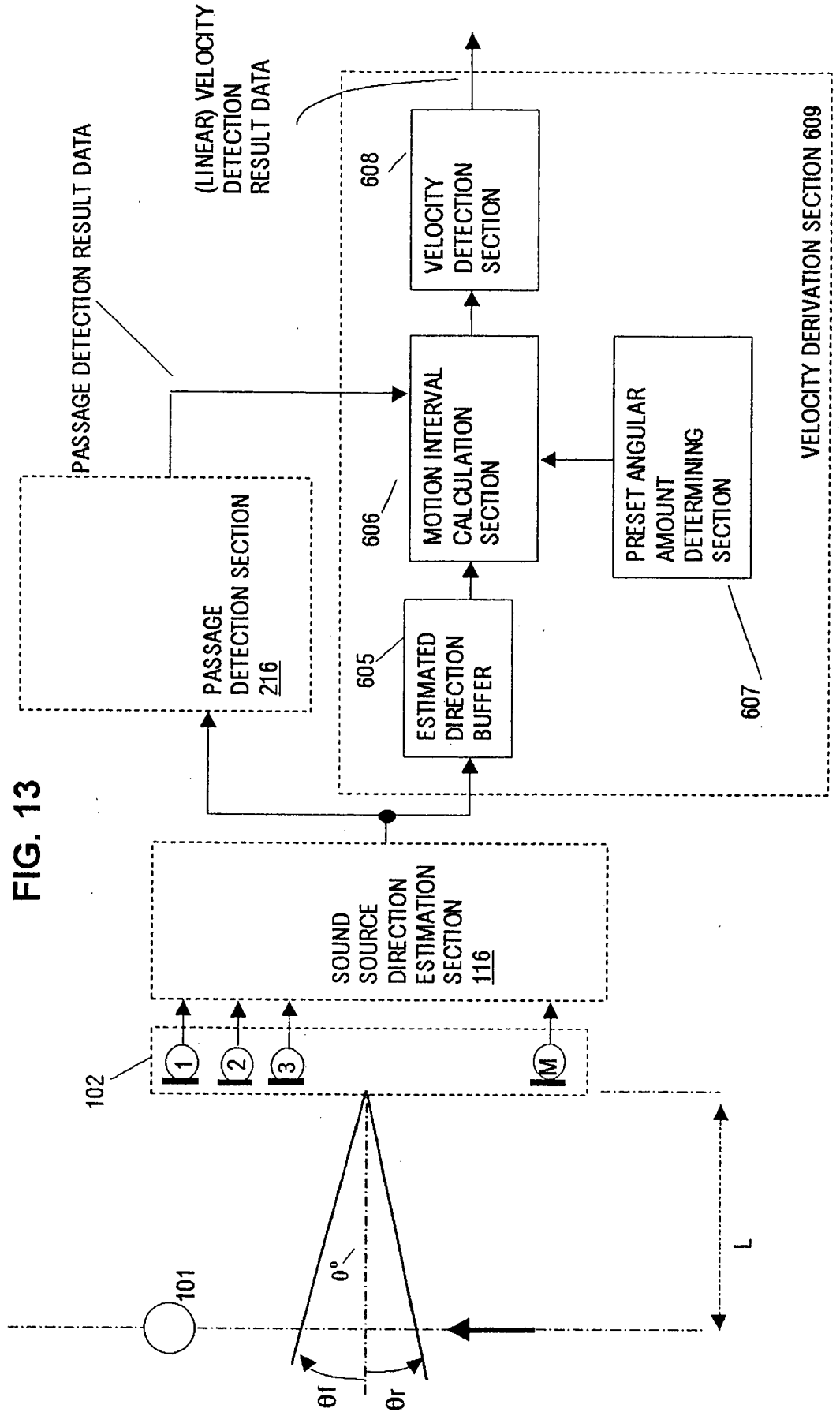


FIG. 13

FIG. 14

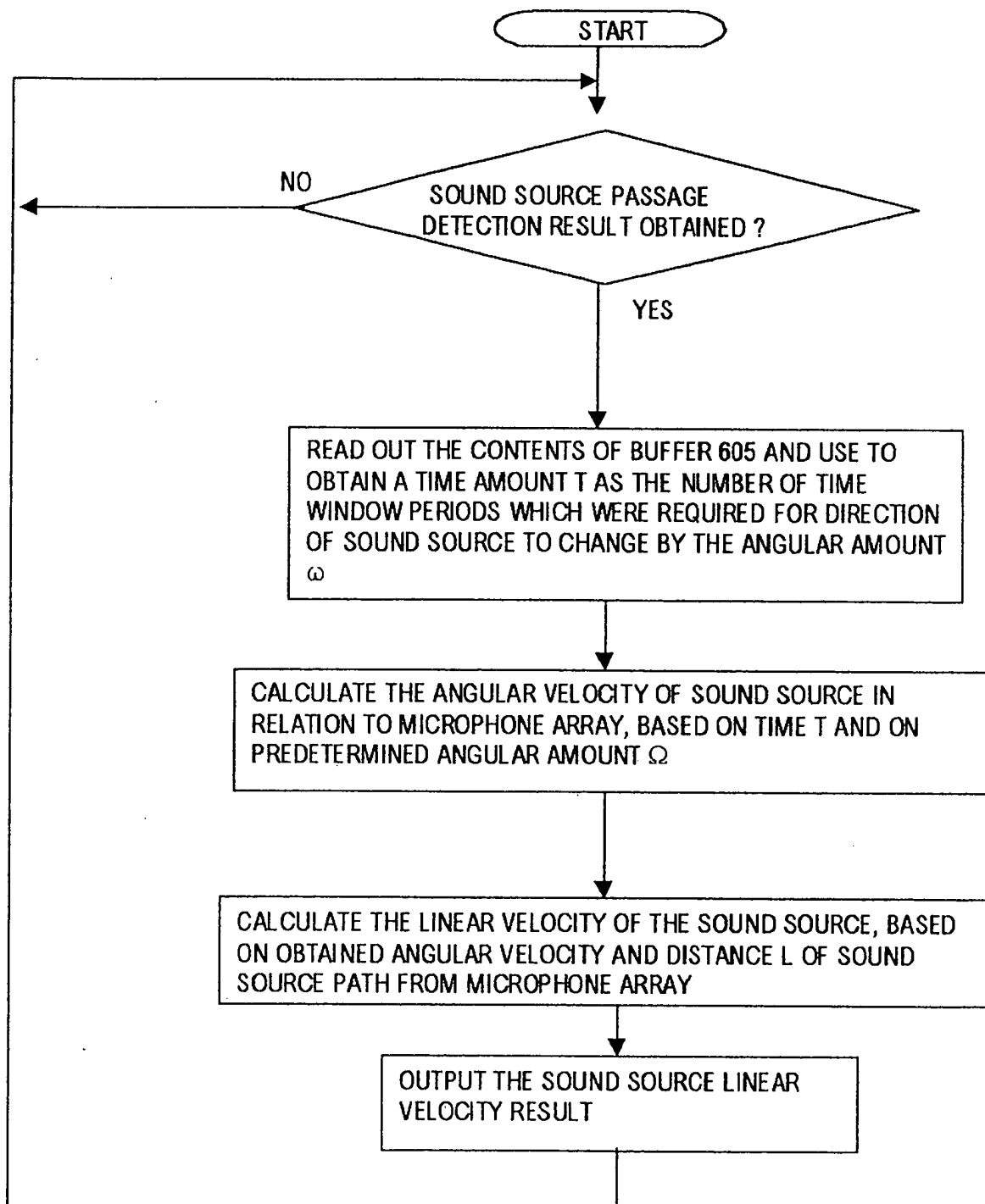


FIG. 15

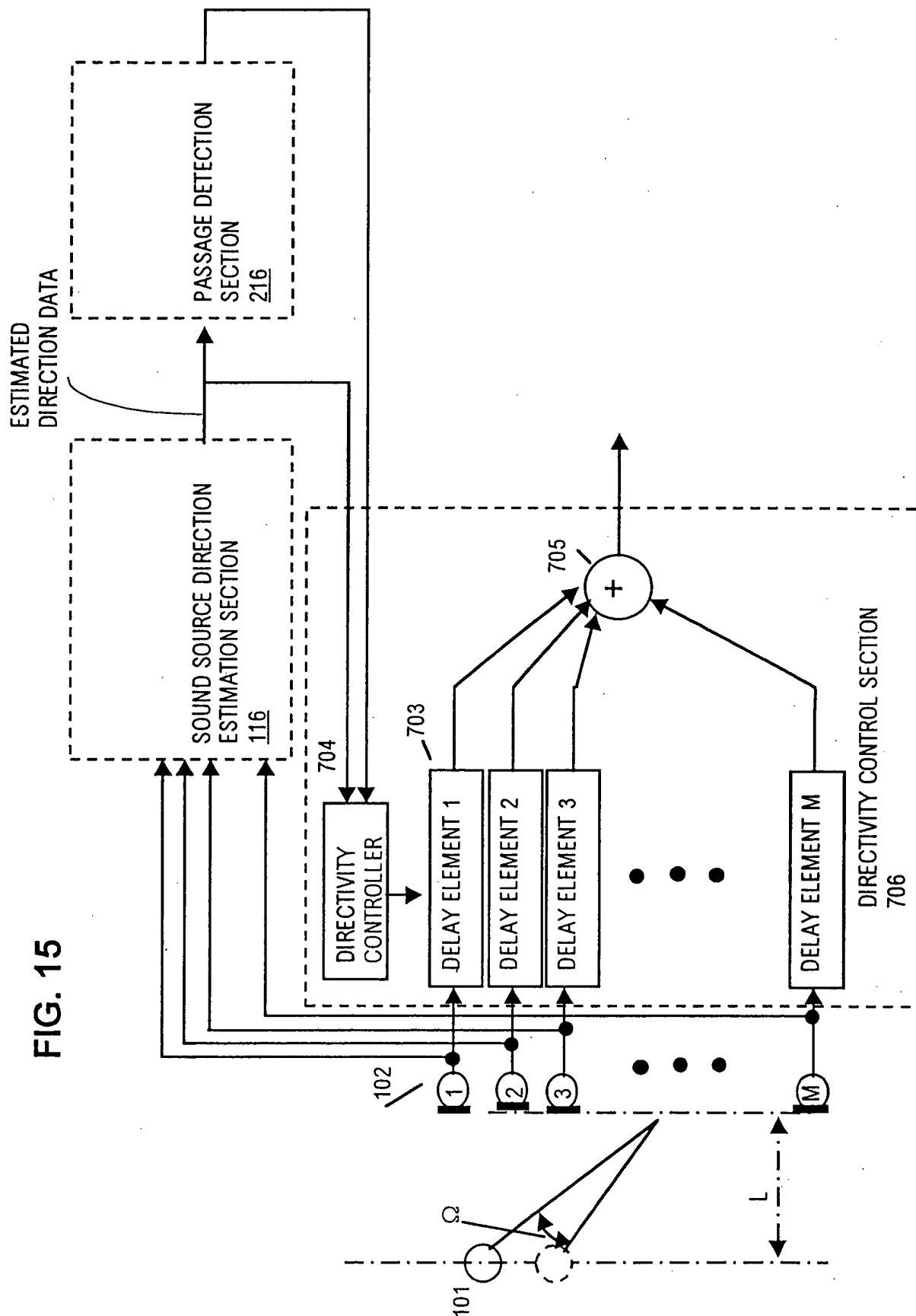


FIG. 16

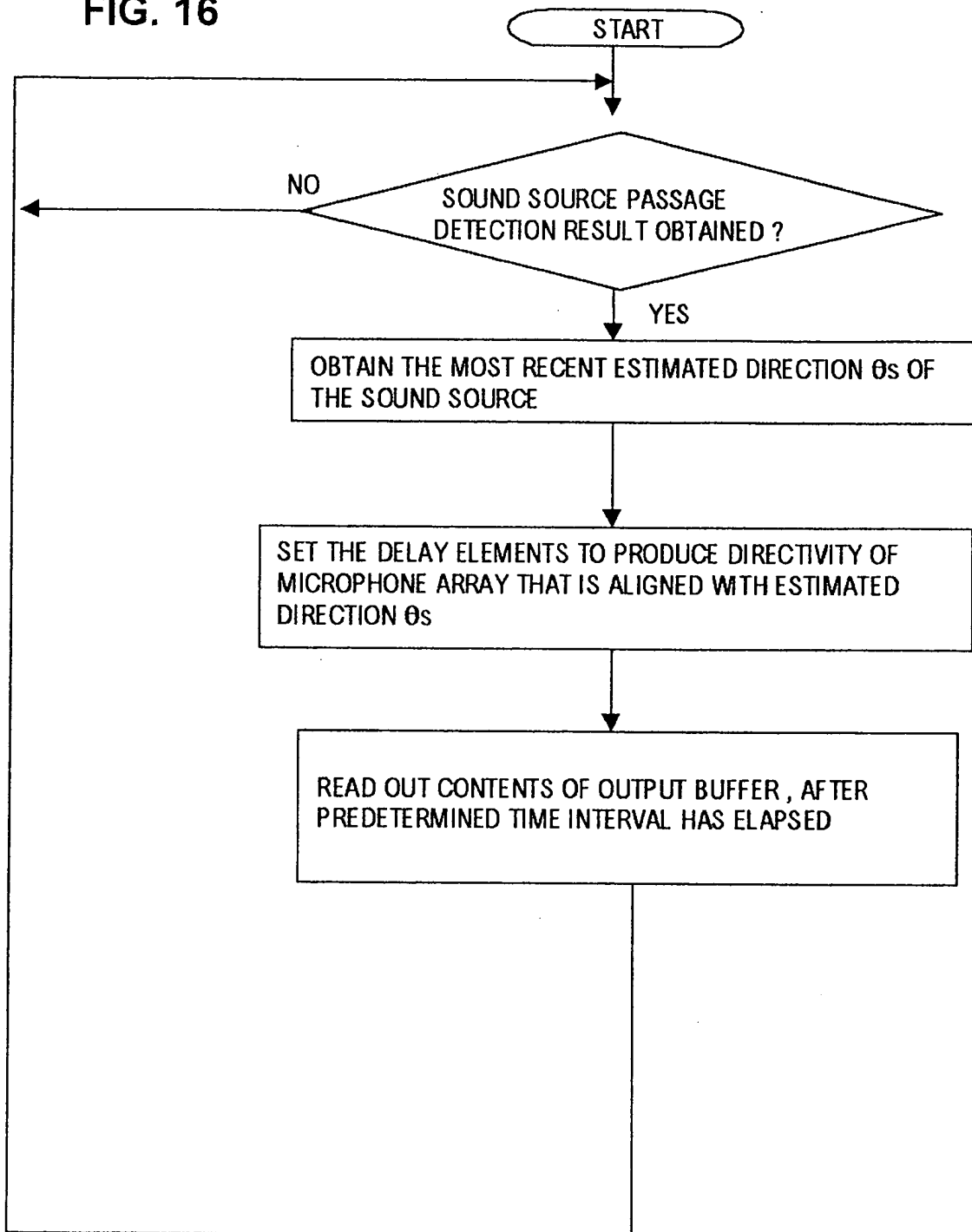


FIG. 17

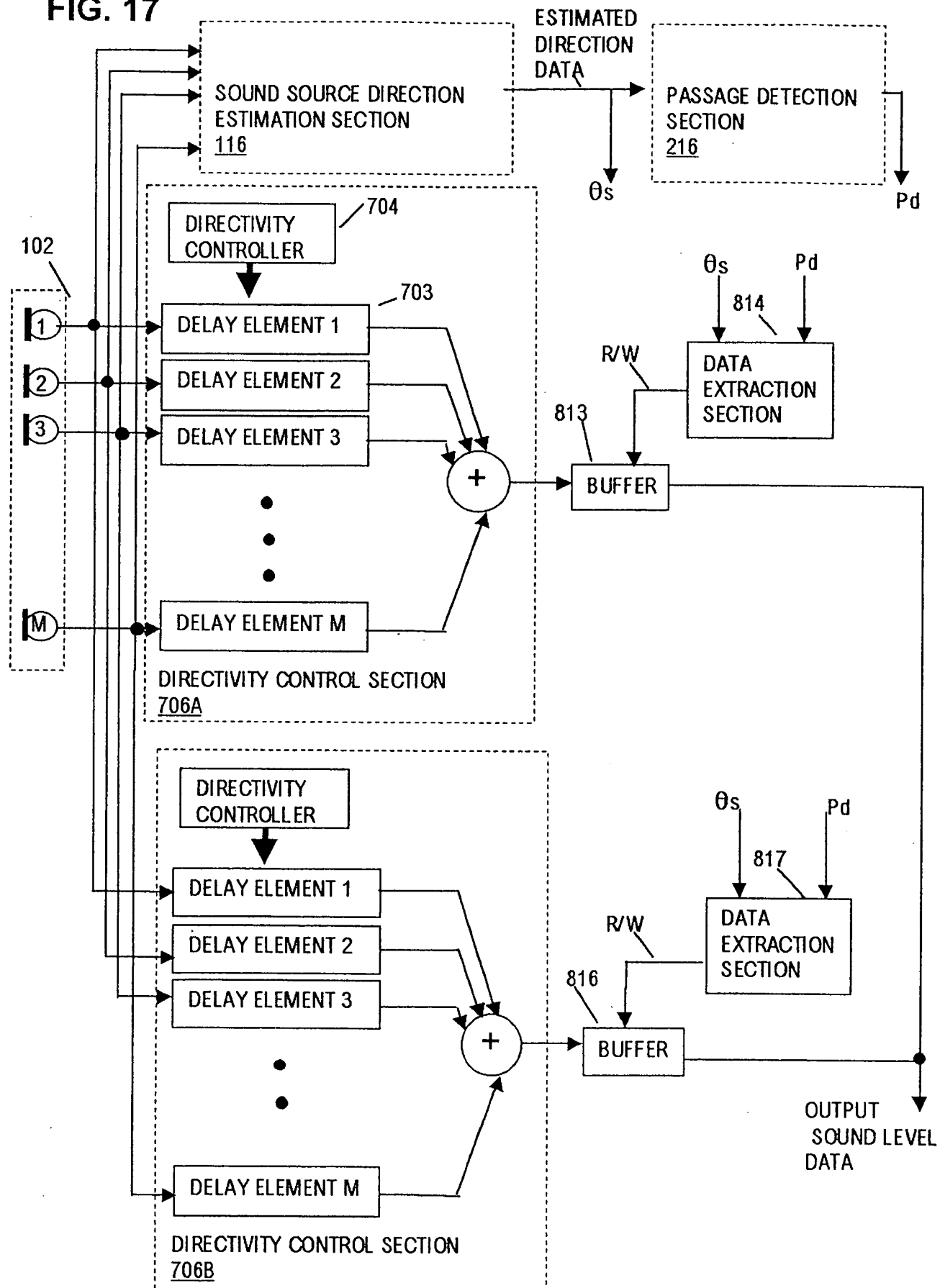


FIG. 18

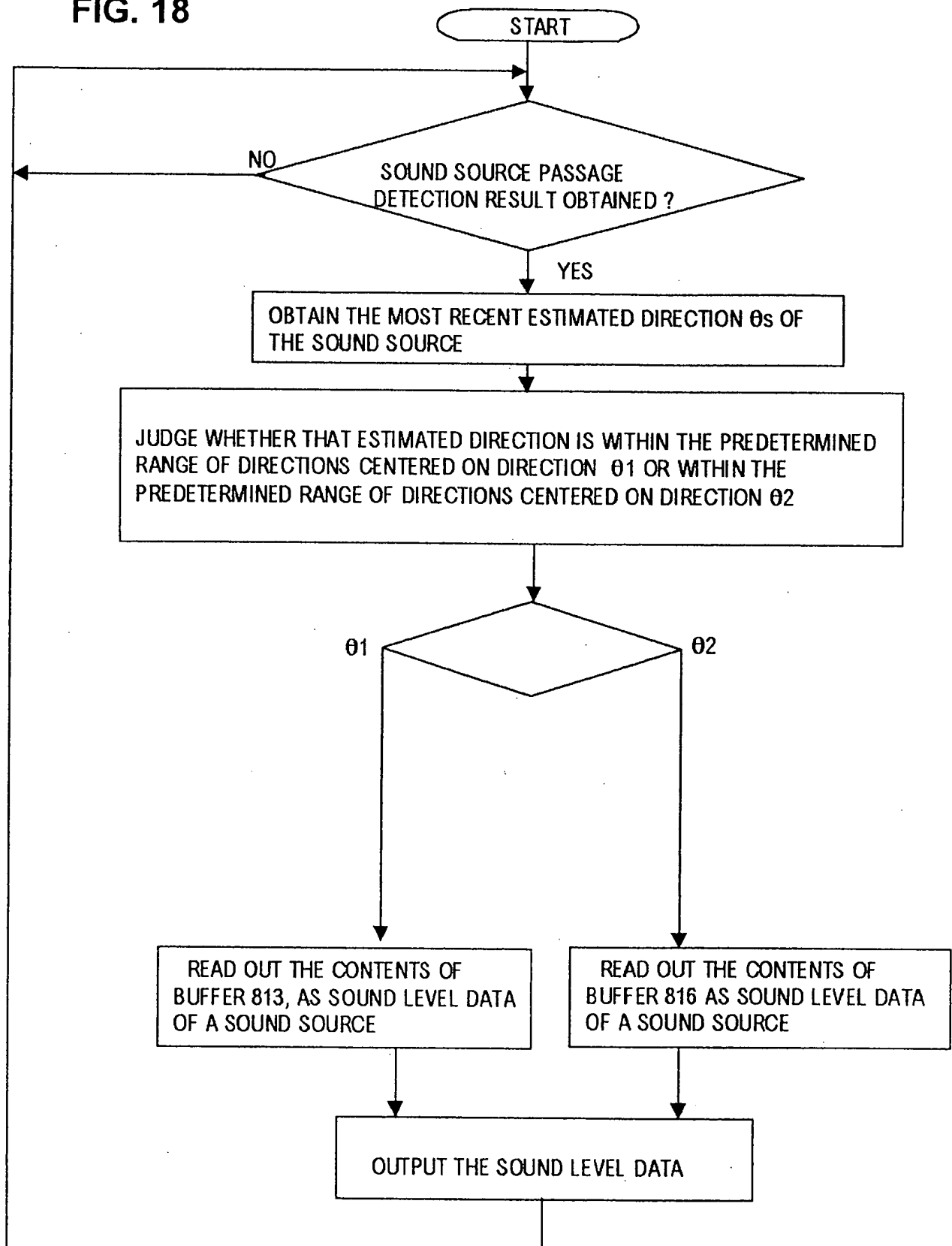
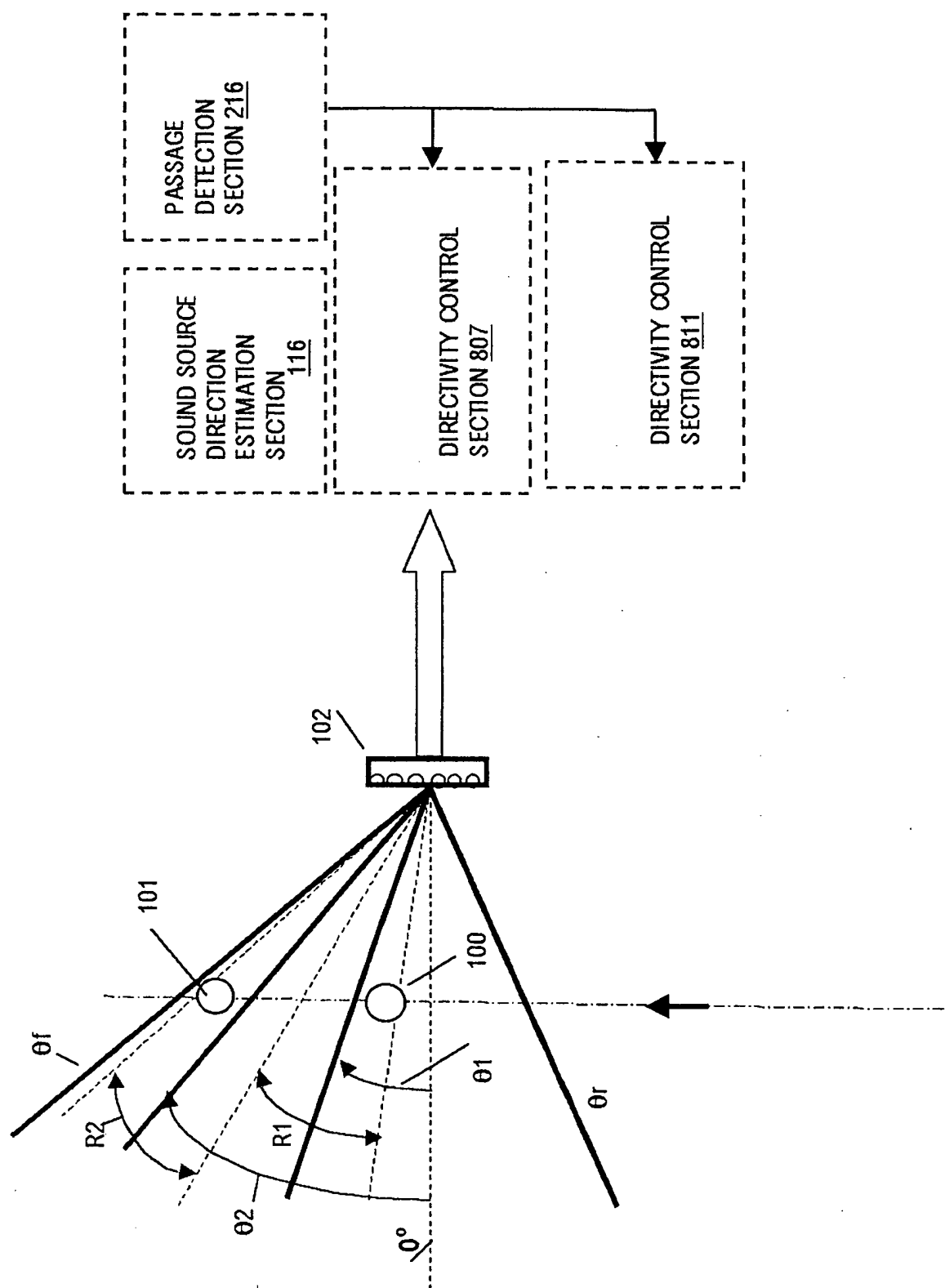


FIG. 19



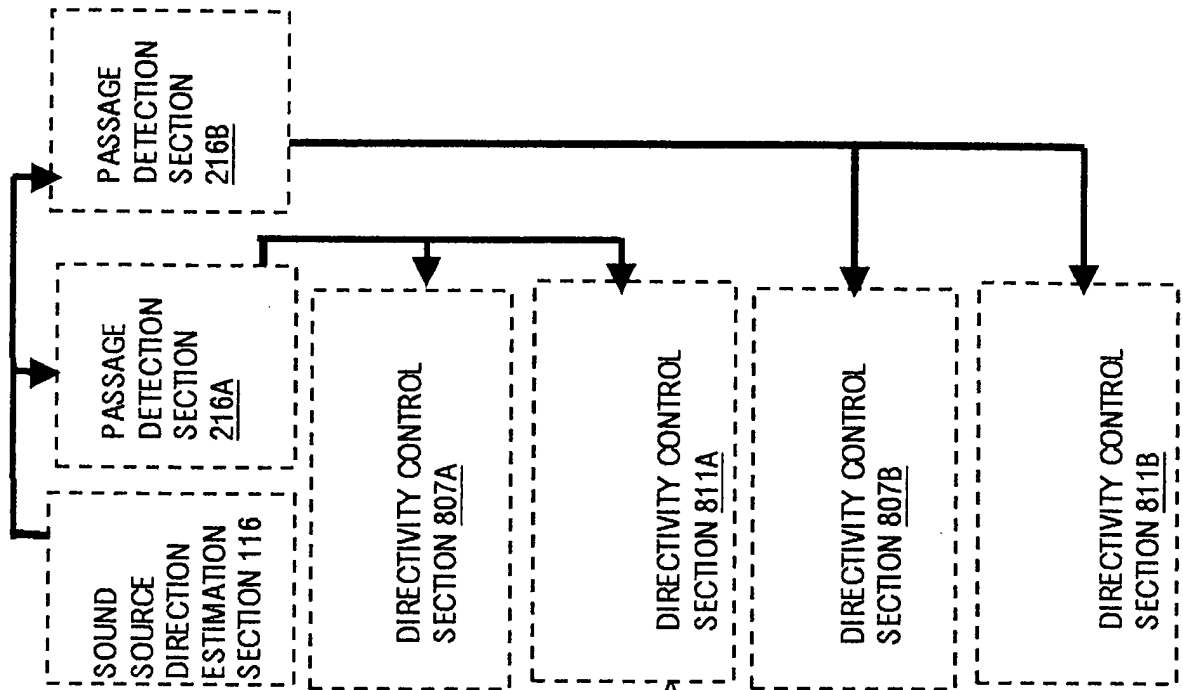


FIG. 20

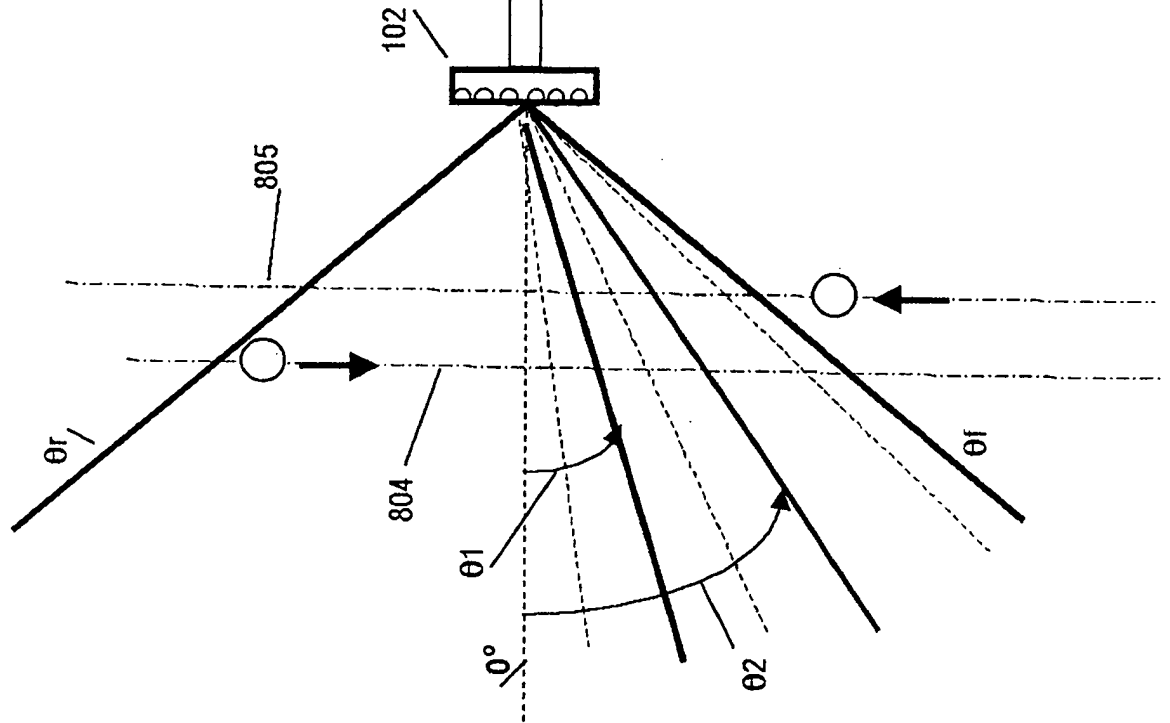


FIG. 21

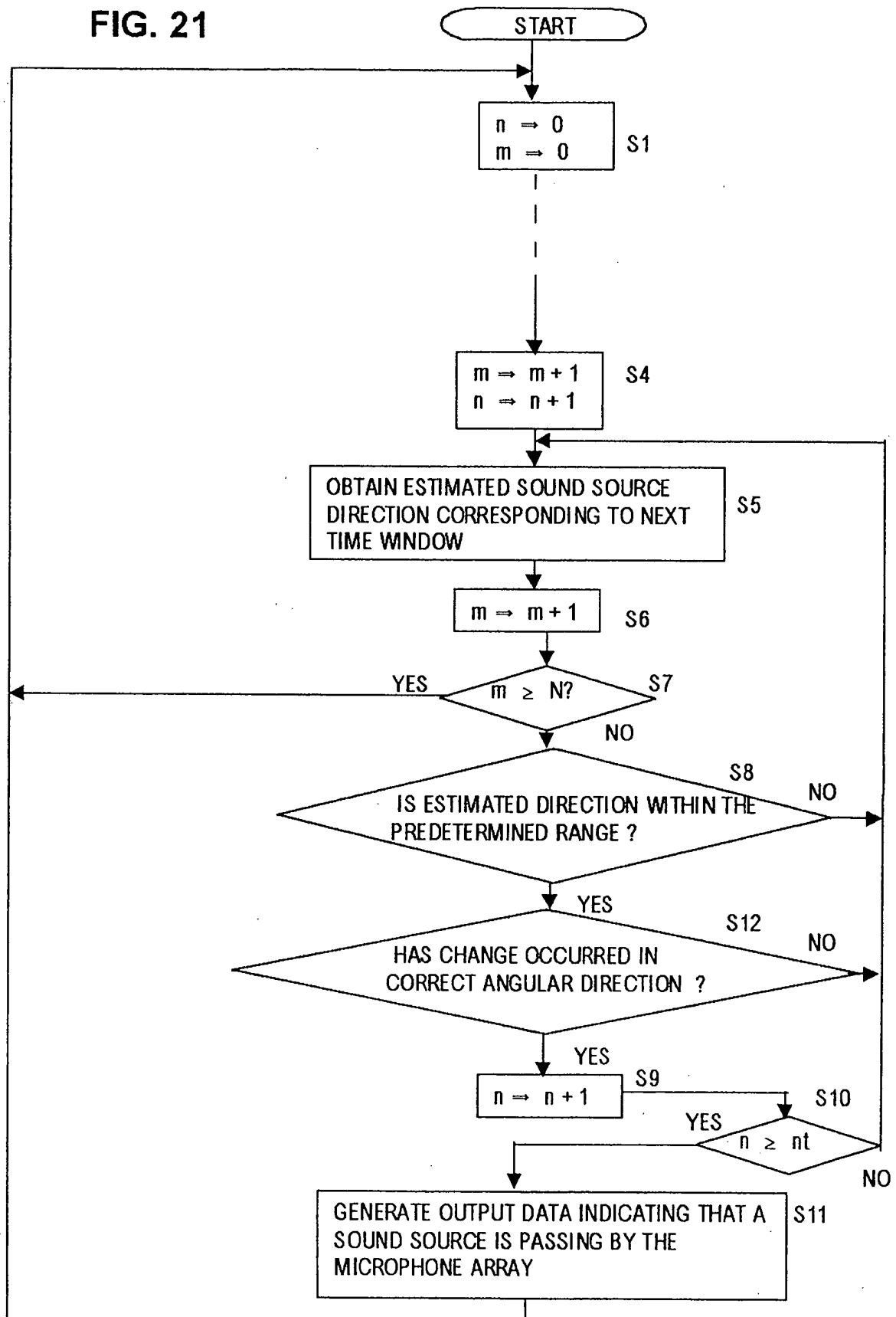


FIG. 22
PRIOR ART